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SOURCE Elektrichestvo, No 7, 1950, pp. 96.

NEW BOOKS ON ELECTRICITY; ELECTRICAL ENGINEERING,
AND ELECTRIC POWER ANNOUNCED IN JULY 1950

1. Radio Receiving Centers (Radiopriemnyye tsentri), V. K. Adamkiy, Svyaz'izdat, 1949, 456 pp, R 16.00.

A textbook for the use of radiotechnical faculties in universities.

2. Textbook on Thermal Control Instruments for Industrial Boilers (Spravochnik po priboram teploggo kontrolya promyshlennykh kotel'nykh), V. D. Kosharakiy, Gosenergoizdat, 1949, 232 pp, R 18.00.

3. Textbook for Physics Experimenters (Spravochnik fizika-eksperimentatora), D. Key, T. Lebi, translated by Ye. Ye. Fridman, edited by D. Frank-Kamenetskiy, Gos izd inostrannoy literatury (State Publishing House for Foreign Literature), 1949, 299 pp, R 29.50.

A translation of the ninth English edition. This textbook has been produced over several decades and consists of a collation of tables of various physics constants which should always be on hand in scientific and engineering laboratories. The authors only give a very brief explanation to the sections on nuclear physics and spectral analysis. In the Russian edition, gaps in the information on nuclear physics have been filled by useful additions pertaining to contemporary work on this subject. The book contains many obvious, and what is worse, many obscure misprints, particularly in formulas, which point to carelessness in compiling this important publication.

4. The Principles of Optics, Elementary Illumination Engineering (Osnovy optiki, Nachala svetotekhniki), Ye. A. Lukovskiy, Voennoye izd (Military Publishing House), 1949, 344 pp, R 16.25.

5. Textbook of Power Engineering for the Textile Industry (Spravochnik energetika tekstil'noy promyshlennosti), Gizlegprom, 1949, 719 pp, R 36.00.

6. A General Course in Radio Engineering, 2d Revised Edition (Obshchiy kurs radiotekhniki), G. V. Voyshvillo, Voennoye izd, 1950, 456 pp, R 12.75.

7. Calendar Guide to Elektrichestvo for 1950 (Kalendary, -spravochnik "Elektrichestvo" na 1950 god)

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7. Calendar Guide to "Elektrichestvo for 1950 (Kalendar'-spravochnik "Elektrichestvo"), Gosenergoizdat, 1950, 210 pp.

A free supplement to the periodical Elektrichestvo for 1950.

8. Homemade Parts for Rural Radio Receivers (Samodel'nyye detali dlya sel'skogo radiopriyemnika), Z. B. Ginsburg, F. I. Tarasov, Izd Moskovskiy rabochiy, 1950, 72 pp, R 1.50.

9. Electrical Engineering for New Radio Amateurs (Elektrotehnika dlya nachinayushchego radiolyubitelya), D. A. Konashinskiy, Svyaz'izdat, 1950, 144 pp, R 4.00.

10. Principles of Automatic Regulation of Technological Processes (Osnovy avtomaticheskogo regulirovaniya tekhnologicheskikh protsessov), V. L. Lossiyevskiy, Oborongiz, 1950, 228 pp, R 12.00.

Chapter I deals with the basic qualities of regulated systems and automatic regulators, and describes the influence of these qualities on automatic regulation [control]. Chapter II includes examples of stable, unstable, and neutral regulated systems, establishes differential equations for them and appraises their relative values. Chapter III describes automatic regulators, their construction, differential equations, amplification factors, and the effect of various factors on the operation of regulators. Chapter IV explains the regulating system as a whole, its dynamic qualities, and methods of dynamic research on automatic regulation. Chapter V deals with the characteristics of regulated systems and the setting of regulators. The book is written for those who design and operate regulated systems for various technological processes.

11. The Efficiency of Steam-Electric Power Stations (Koeffitsienty poleznogo deystviya parovykh elektricheskikh stantsiy), V. V. Luknitskiy, Izd MEI (Moscow Power Engineering Institute), 1950, 14 pp, free.

Produced by the All-Union Correspondence Power Engineering Institute of the Ministry of Higher Education of the USSR.

12. Scientific and Technical Conference on the Results of Scientific Research in 1949 (Nauchno-tekhnicheskaya konferentsiya po itogam nauchno-issledovatel'skikh rabot za 1949), theses and reports of Moscow Power Engineering Institute, Izd MEI, 1950, 61 pp, free.

13. Resolution of the Scientific and Technical Conference on the Protection of Pipelines and Cables From Corrosion (Rezolyutsiya nauchno-tekhnicheskogo soveshchaniya po zashchite tryboprovodov i kabeley ot korrozii), Izd AzII (Azerbaydzhan Research Institute), 1950, 14 pp, free.

The conference was held 21 - 23 November 1949 by the Azerbaydzhan Division of VNITO and the Azerbaydzhan Industrial Institute imeni Azizbekov.

14. Theory of the Phenomena of Atmospheric Electricity (Teoriya yavlenii atmosfernogo elektrichestva), Ya. I. Frenkel', Gostekhizdat, 1950, 155 pp, R 5.80.

15. Electrotechnical Materials (Elektrotekhnicheskiye Materialy), Handbook of All-Union Standards, Gosenergoizdat, 1950, 565 pp, R 40.00.

There has long been a requirement for a summary of standards of electrical materials used in production and in the repair of electric machines, apparatus, and instruments. This handbook, compiled by P. M. Kotenko and G. S. Pliss, contains the full texts of 99 GOST (State All-Union Standards), OST (All-Union Standards), OST VKS (All-Union Standards of the All-Union Committee on Standards), OST NKTP (All-Union Standards of the People's Commissariat of Heavy Industry), and 106 VTU (departmental technical specifications) and departmental standards for electrical materials.

The handbook contains standard terms and designations for electro-technical materials, electrotechnical ceramic materials, mineral dielectrics, cellulose and fibrous materials, plastic and resin insulation products.

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The handbook contains standard terms and designations for electro-technical materials, electrotechnical ceramic materials, mineral dielectrics, cellulose and fibrous materials, plastic and resin insulation products, liquid dielectrics, methods of testing solid dielectrics, standards for ferromagnetic materials and for high-resistant alloys.

It is a matter calling for adverse comment that the handbook took over a year to reach the reader although it is only a simple compilation of other official publications. The standards are those in force on 1 September 1949, although the authors and publishers could have brought them up to date at least as far as 1 January 1950.

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